

ABSTRACT**APPARATUS FOR INTERCONNECTING ELECTRONIC COMPONENTS**

5 A connection assembly comprising a receptacle portion and a probe portion. The
receptacle portion is suitable for attaching to an adapter card. The receptacle may include a
cylindrical housing with a longitudinal axis oriented perpendicular to the plane of the card. The
receptacle includes a set of contact structures that extend within the interior of the receptacle
10 housing. The set of contact structures are embedded within an electrically insulating contact
block and preferably define one or more lines of contact structures extending perpendicularly to
the plane of the adapter card. Each contact structure is electrically connected to a corresponding
cable or wire. The probe portion may include a probe cover and a probe body configured to be
received within the probe cover. The probe cover preferably comprises first and second
15 elements that are separated by a gap that extends parallel to the longitudinal axis of the
receptacle. The probe body includes a row of contact elements where each contact element is
connected to a corresponding wire or cable. The probe body is preferably rotatable 90° with
respect to the probe cover when the probe assembly is inserted in the receptacle. The probe body
may be rotatable from a first position, in which the contact elements are covered by the probe
20 cover, to a second position, in which the contact elements are aligned with the probe cover gap(s)
and further aligned with corresponding contact structures on the interior surface of the
receptacle.